

WHAT IS CLAIMED IS:

1. A composite magnetic material comprising a ferrite powder and a resin, wherein said ferrite powder comprises a Ni and Co containing spinel ferrite.

2. A composite magnetic material according to claim 1, wherein said ferrite comprises at least one of Be, Ca, Sr, Ba, Ti, V, Cr, Mg, Cu, Zn, Ga, In and Tl.

3. A composite magnetic material according to claim 2, wherein said ferrite is a spinel type ferrite having a composition represented by



wherein

5 Me is at least one selected from the group consisting of Mg, Cu and Zn,

$$0.10 \leq x \leq 0.550;$$

$$0.025 \leq y \leq 0.200;$$

$$0 \leq z \leq 0.200; \text{ and}$$

10  $0.400 \leq (x+y+z) \leq 0.600.$

4. A composite magnetic material according to claim 3, wherein x is 205-480, y is 0.5-0.1 and  $0.450 \leq (x+y+z) \leq 0.550.$

5. A composite magnetic material according to claim 4, wherein z is 0.

*Surf 2* 6. A composite magnetic material according to claim 3, wherein

Me is Mg.

7. A composite magnetic material according to claim 3, wherein

Me is Cu.

8. A composite magnetic material according to claim 3, wherein

Me is Zn.

9. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 8.

10. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 7.

11. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 6.

12. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 5.

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Cweld*

13. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 4.

14. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 3.

15. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 2.

16. An inductor element equipped with a magnetic member comprising a composite magnetic material according to claim 1.